

Microsoft DevOps Solutions: Communicating and Collaborating with Stakeholders

ADMINISTERING YOUR DEVOPS PROCESS



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Introduction

**This is an exam preparation
course**

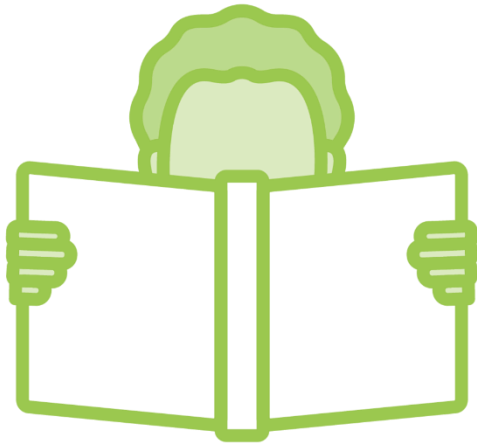
**With a focus on exam learning
objectives**

**Rote memorization is not an
effective learning strategy**

**Something you can use in real
life**



Making Information Plain with a Dashboard



Information is only
useful if it's knowable



Is unknowable
information really
information?



To make information
useful, it must be
made plain



Keep communication
actionable



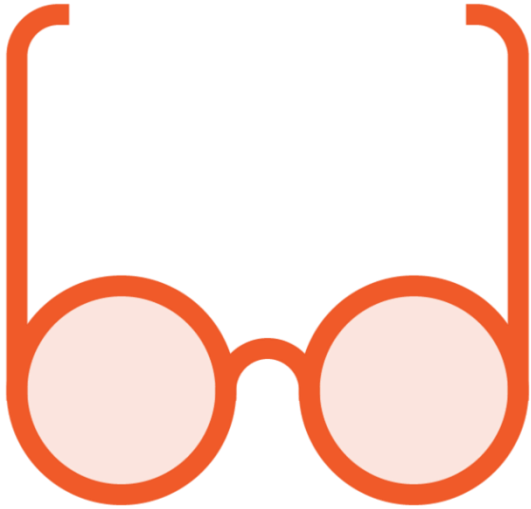
The Widening Filter

The more irrelevant
communication that happens,
the broader the filter will grow

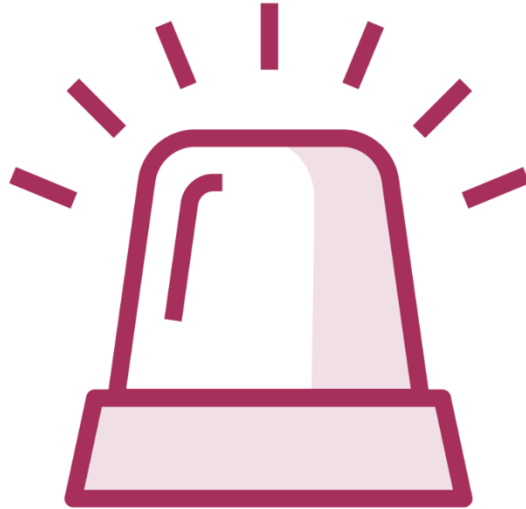
“Man, I’m sorry, I just get so
much email”



Banner Blindness



A user experience
phenomenon



An emergency update
to benefits
information

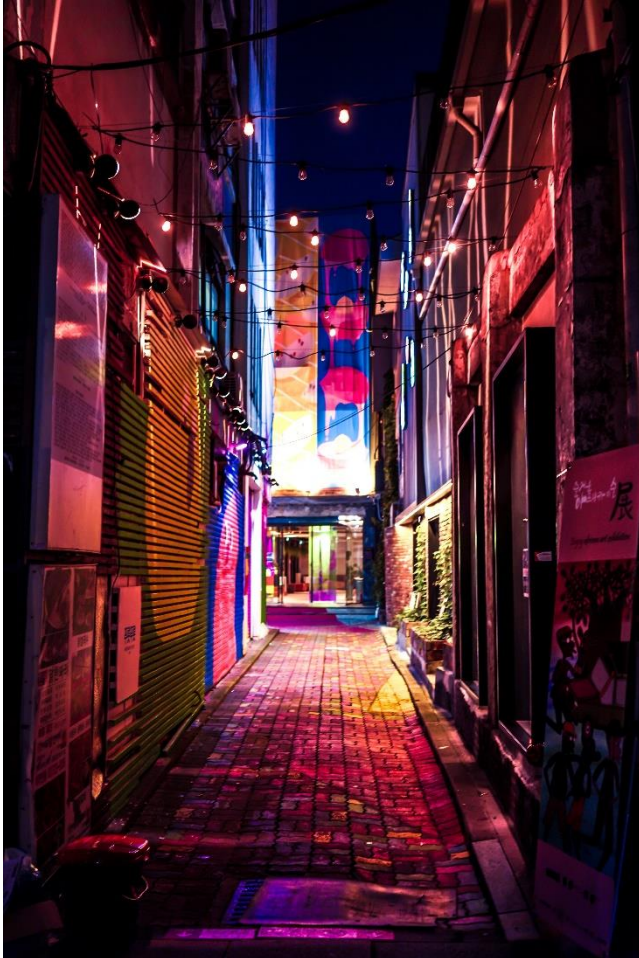


Keep communication
actionable

Make doubly sure that anything
that appears on your dashboard
is useful daily



Considering Accessibility



<https://app.pluralsight.com/library/courses/working-colors-images-css>

Color perception problems are much more common than popularly understood

About one in twelve men (8%)

Difficulty in distinguishing between colors

The most common difficulty in distinguishing colors is between red and green

Don't represent information solely with color

- Don't represent failure solely with red



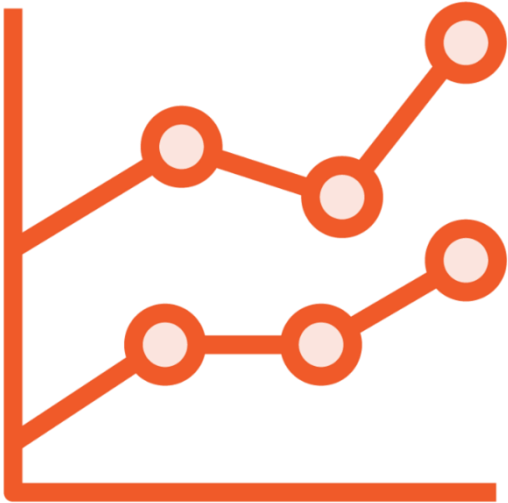
Introducing Azure DevOps Dashboards

All this applies to the Azure portal as well

But the exam focuses mostly on the DevOps dashboards



Dashboard Elements



Charts



Widgets, which may include charts



Defining Governance Policies to Control Costs

**This means something specific
for the exam**

**Cost Policy template:
<https://bit.ly/3gt4onS>**

**Read it, it's only eight pages
long**

**A SAMPLE template with
sample values that may not
apply to you**



Identifying Business Risks

Risk	Description	Indicators	Resolution
Future Proof	Lack of standards will hinder future governance.	Current	Policy statements enforced
Budget Overrun	Budget overruns are a potential risk in the future.	Next Major Release	Policy statements drafted but not enforced
Over Allocation	Paying too much for unused resources is a potential future risk.	Monthly spend exceeds \$1M USD	Policy statements drafted but not enforced



Metrics and Indicators

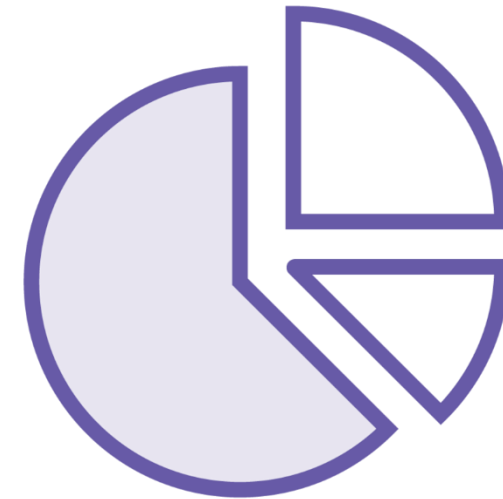
Values and measurement
against the values

Monthly Spend > \$1M



Policy Compliance

1. Initial risk assessment and planning
2. Deployment planning
3. Annual planning
4. Quarterly planning
5. Ongoing Monitoring

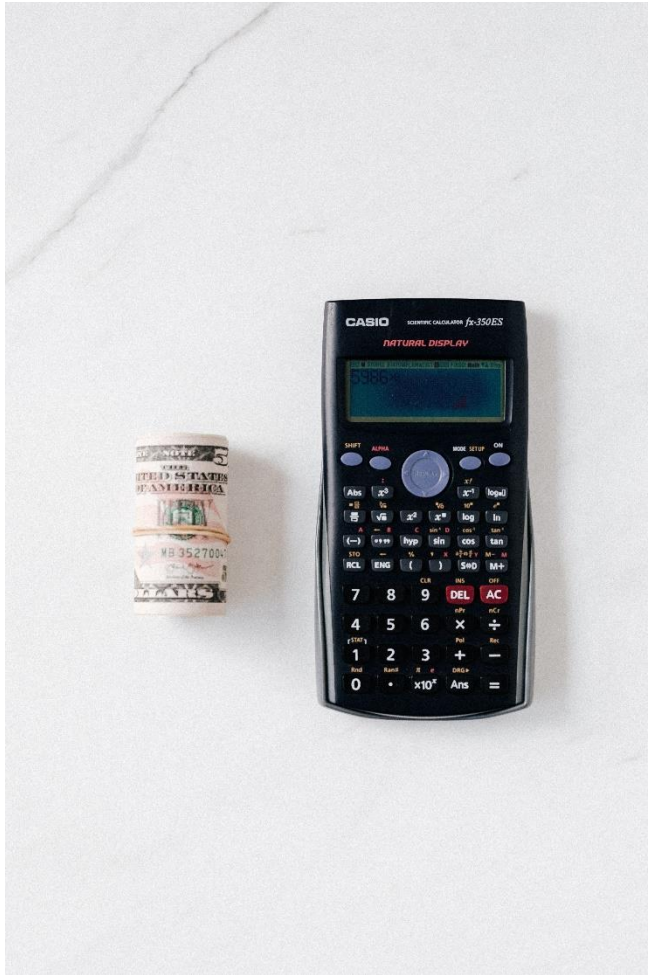


The Case for Red Tape



“things we’re deciding to think
about ahead of time, rather than
when there’s a crisis”

The Nuts and Bolts of Azure Billing



“How to Optimize Your Cloud Investment with Azure Cloud Management”

- <https://bit.ly/3qEc8bz>

Azure cost plans:

- Free
- Pay as you go
- Enterprise Agreement
- Azure in CSP

<https://azure.microsoft.com/en-us/pricing/calculator>



The Bottom Line



A model and an expectation



Your infrastructure and expected usage



Test those expectations with the Azure Pricing Calculator



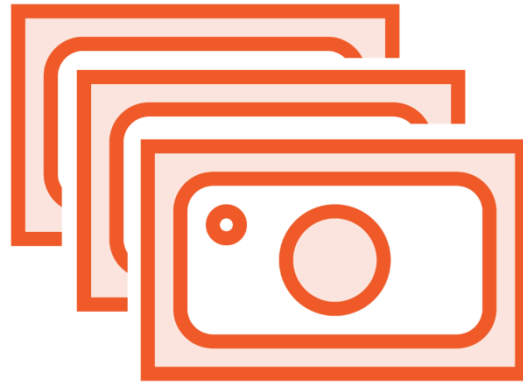
Then, you can organize your policy elements



Understanding User Analytics



Your
dashboards are
working great



Your cost
policies are
working



You go out to
celebrate...



Anybody paying
attention to our
users?



Useful User Analytics



Our website serves a company's employee population

80% Microsoft Edge

No one is signing up for the new product...

Because no one is going to the page with the sign-up link

These are the kinds of questions and answers you can compose with user analytics



Application of User Analytics

Automating Communication

**Let's look at something a little
different, then**



Summary



Dashboards

- How to create one that works
- Has information that people care about
- The different parts of the DevOps boards
- A problem with the build history widget

Creating policies for controlling costs

- The Microsoft cost policy template
- Creating effective cost expectations
- The Azure Pricing Calculator

User Analytics

- In App Insights
- Reviewing historical data
- Live Metrics

